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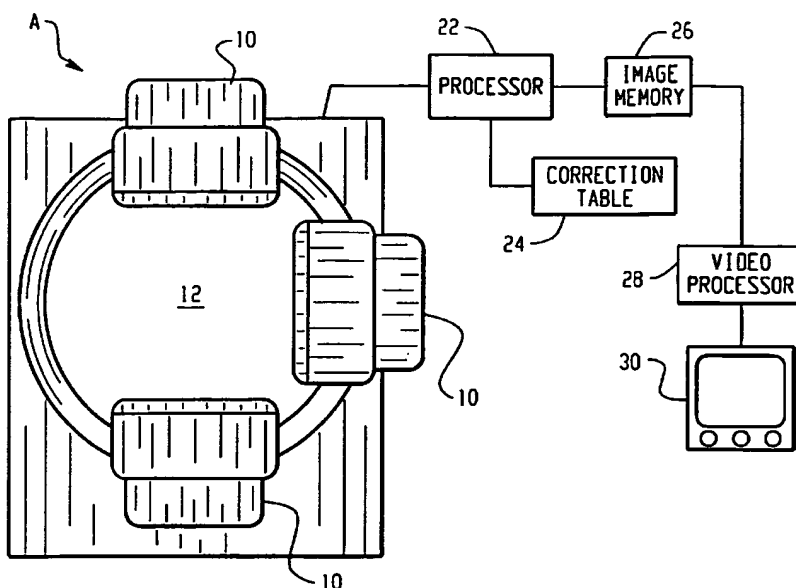
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[Continued on next page]

(54) Title: **ANALOG TO DIGITAL CONVERSION SHIFT ERROR CORRECTION**



(57) Abstract: A method for correcting energy values of pulses from a nuclear medicine camera for errors due to Analog to Digital conversion shift includes determining a relationship between a subset of samples selected from a set of samples from the pulse, the relationship being expressed in the form of a code. A conversion table is accessed which provides a list of codes and corresponding conversion factors. The conversion factor for the closest code to that of the subset of samples is selected from the table and applied to an integration of the set of samples to correct the energy value of the pulse.

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